

## **Soil and Water Remediation, Groundwater/Vadose Zone (RL-0030)**

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*N Area Stakes, setting locations for new well drilling*

## Overview

This section addresses Project Baseline Summary (PBS) RL-0030, *Soil and Water Remediation Groundwater/Vadose Zone*

NOTE: Unless otherwise noted, all information contained herein is as of the end of October 2005.

## Notable Accomplishments

**Well Drilling:** Eight of the fifteen calendar year (CY) 2006 Tri-Party Agreement (TPA)-required wells have been completed by the end of October. One additional well is nearing completion. Contracts for the remaining wells have been placed to maintain the drilling program ahead of schedule.

**Well Decommissioning:** There has been continued progress on the work to decommission wells that pose a high risk to provide a pathway for contamination to move directly to the groundwater. As of the end of September, 255 wells had been decommissioned. A total of 340 are planned to be removed from service by the end of September 2006. This past month, work began on eighteen wells using the mechanical perforation technique. These are wells in the 200 West area that are near to some waste sites that were used in the past to dispose of contaminated liquids to the soil (the 216-T-6 Crib and the 216-T-16 and 216-T-17 trenches).

**Chromium Cleanup Along the River:** A pump-and-treat system has been operating in the 100-H Area since 1997. A significant milestone in nearing completion of the cleanup of the chromium contamination in the groundwater was reached in October when the results from sample tubes that have been pushed into the shallow groundwater immediately next to the river all were below the Remedial Action Objective (RAO) of 20 micrograms/liter. There is still a small plume inland that is above the RAO. The wells that extract the contaminated water and re-inject cleaned-up water were reconfigured twice in the last year to help expedite cleanup of the remaining contaminant plume.

**Assessing 100-N Area Ecological Impacts:** The 100-NR-2 Ecological Assessment Report, including appendices, was delivered on October 31, 2005. This met the TPA milestone specified in the amended Record of Decision (ROD). Significant results discussed in the report include some evidence of anomalies in clam tissue near the area of highest strontium-90 concentrations in the near-shore groundwater, potential impacts from a residual diesel plume (elevated iron and dissolved oxygen), and elevated lead in the liver tissue from two deer mice.

## FY 2006 Funds vs. Spend Forecast (\$M)

	Projected FY 2006 Funding	FY 2006 Fiscal Year Spend Forecast	Variance
Soil & Water Remediation, Groundwater/Vadose Zone	\$ 46.5	\$ 46.2	\$ 0.3

## FY 2006 Schedule/Cost Performance (\$M)

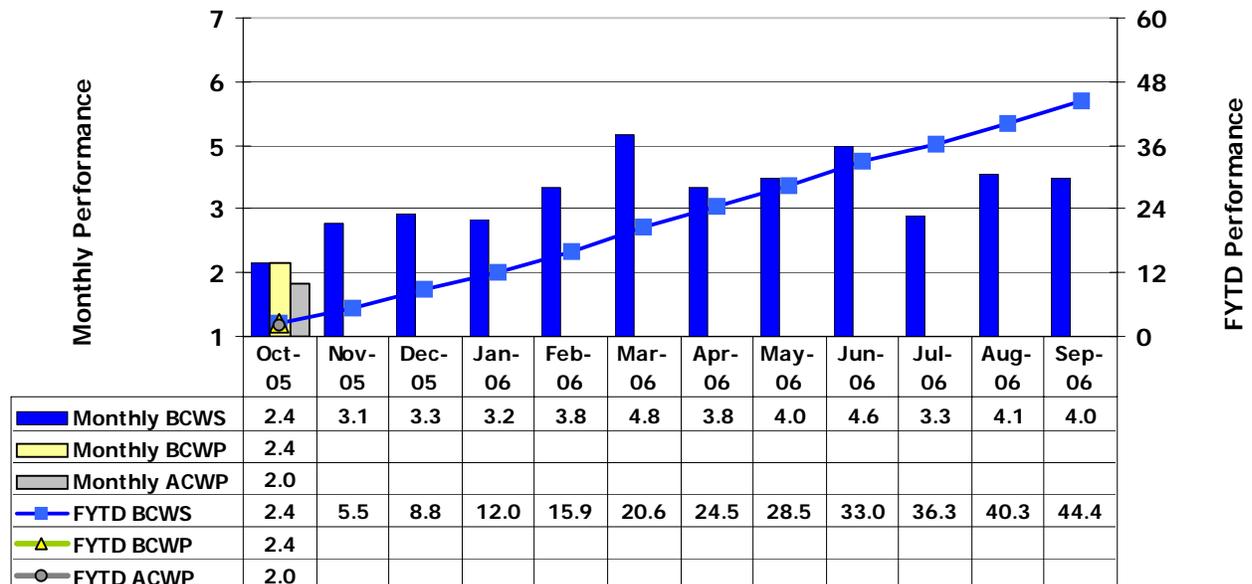
	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
Soil & Water Remediation, Groundwater/Vadose Zone	\$2.4	\$2.4	\$2.0	\$0.0	0.4%	\$0.4	16.0%	\$44.4

Numbers are rounded to the nearest \$0.1M and include the Closure Services allocation.

**Schedule Performance (\$0.0M/0%).** N/A

**Cost Performance (+\$0.4M/+16.0%).** The favorable cost variance is due to late cost reversals and cost accruals; planned staff not being on-board; and completion of unfunded FY 2005 carryover with performance taken against no BCWS.

### Performance Analysis FYTD and Monthly (\$M)



## Milestone Achievement

PBS	MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status / Comments
RL-0030	M-24-57G	Install a Cumulative of 45 Wells by December 31, 2005	RL	12/31/05	08/16/05		COMPLETE
RL-0030	M-24-57J	Install a Cumulative of 60 Wells by December 31, 2006	RL	12/31/06		07/31/06	
RL-0030	M-15-48A	Submit Draft A 200-ZP-1 CERCLA Remedial Investigation Report to EPA	RL	05/31/06		05/31/06	